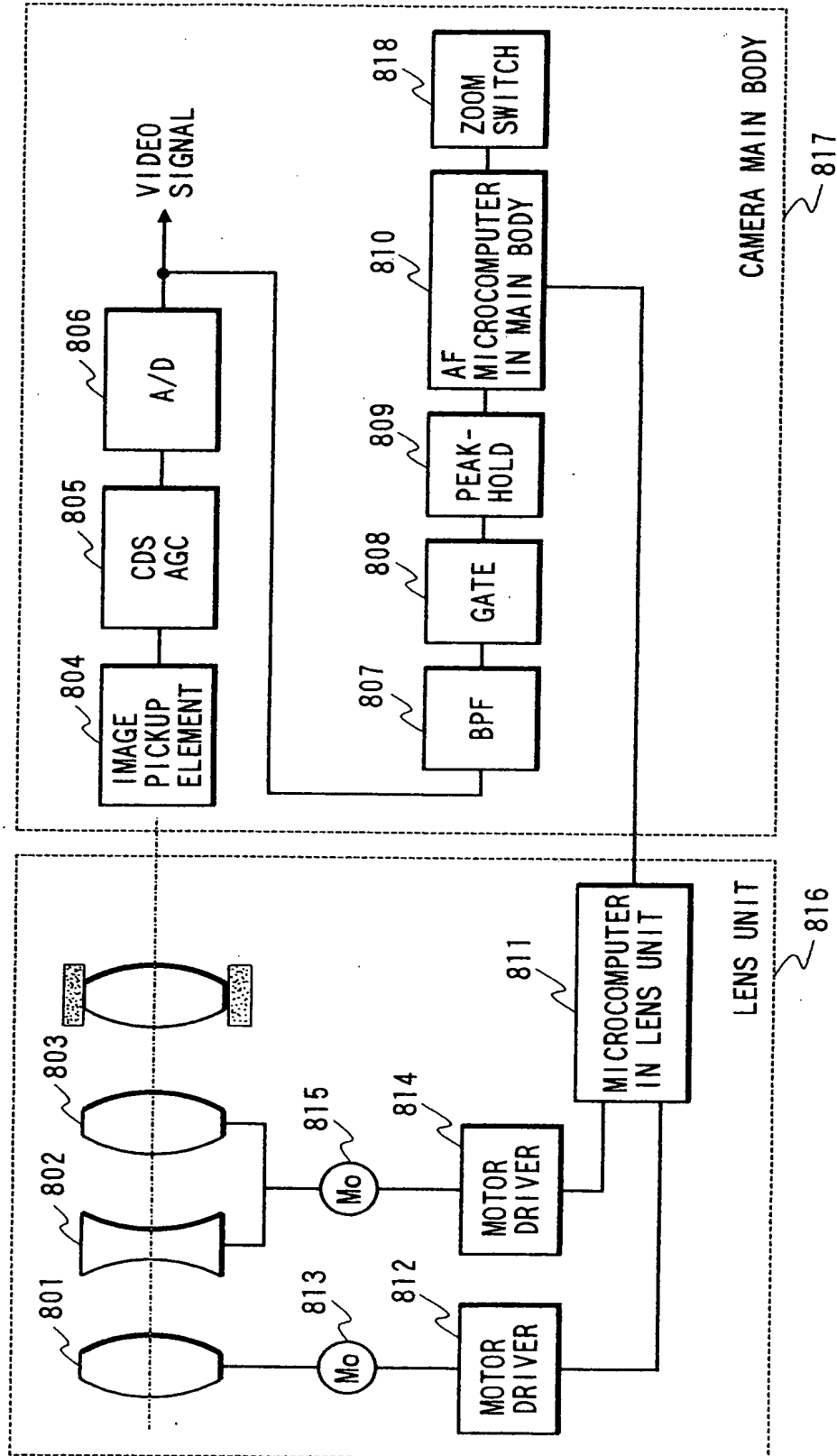


DUPLICATE

1/32

#27  
BA12/24/02

FIG. 1



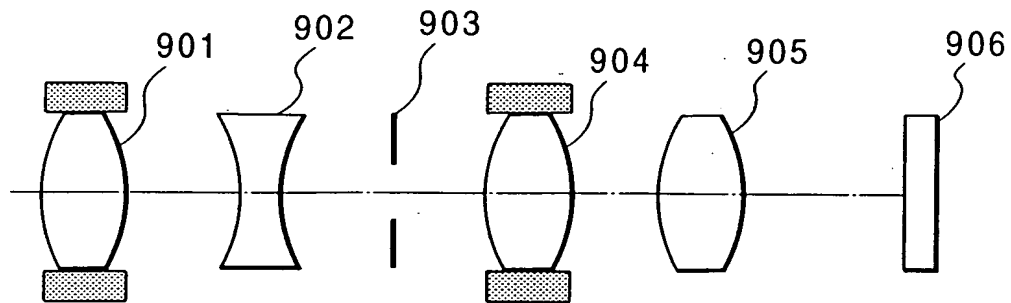
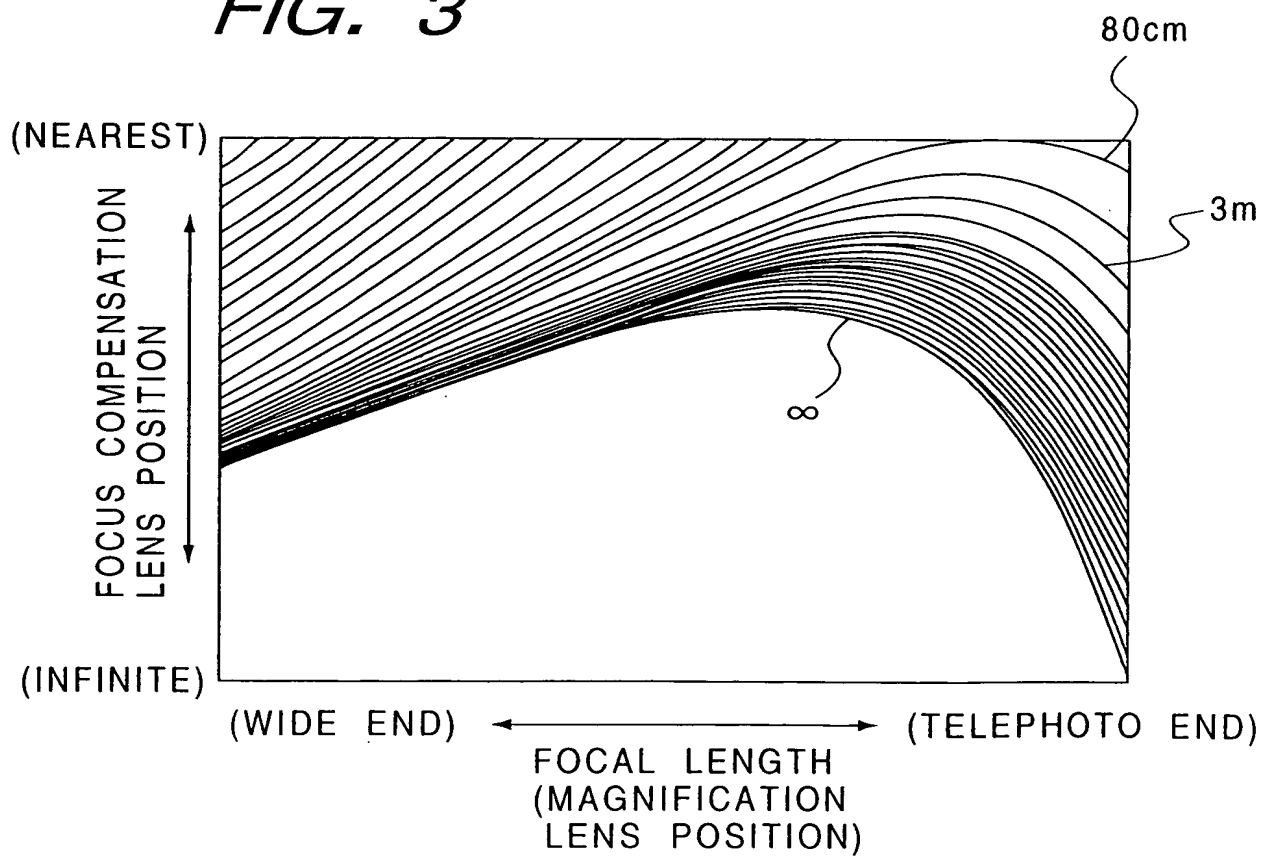
*FIG. 2**FIG. 3*

FIG. 4

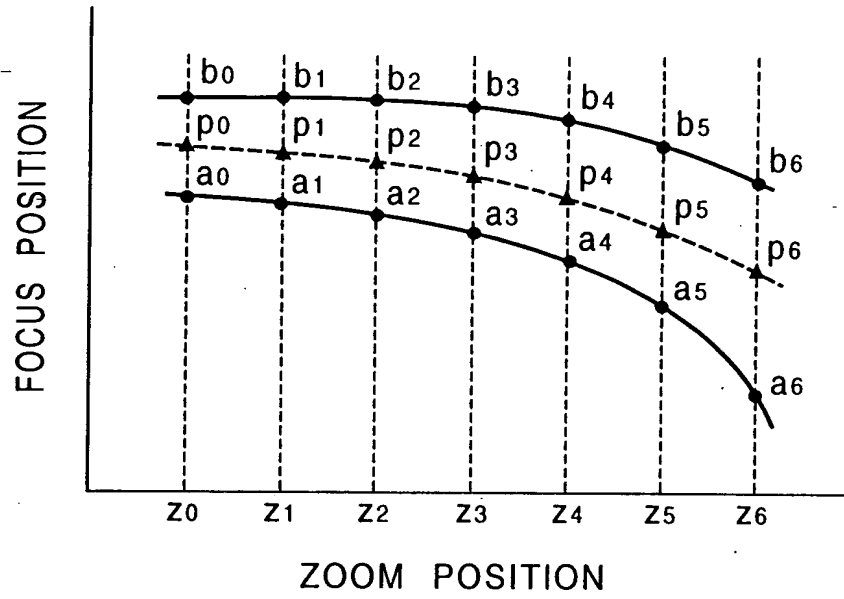
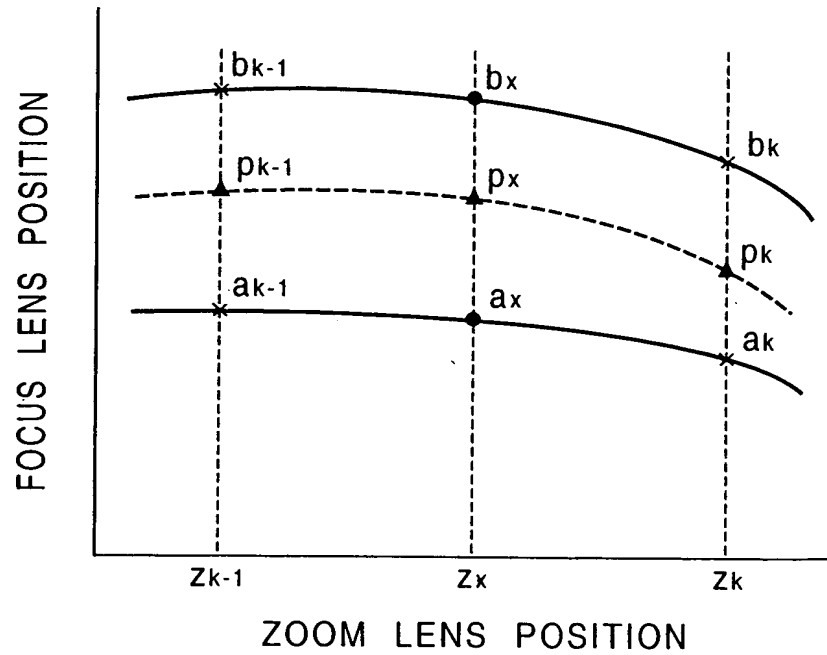


FIG. 5



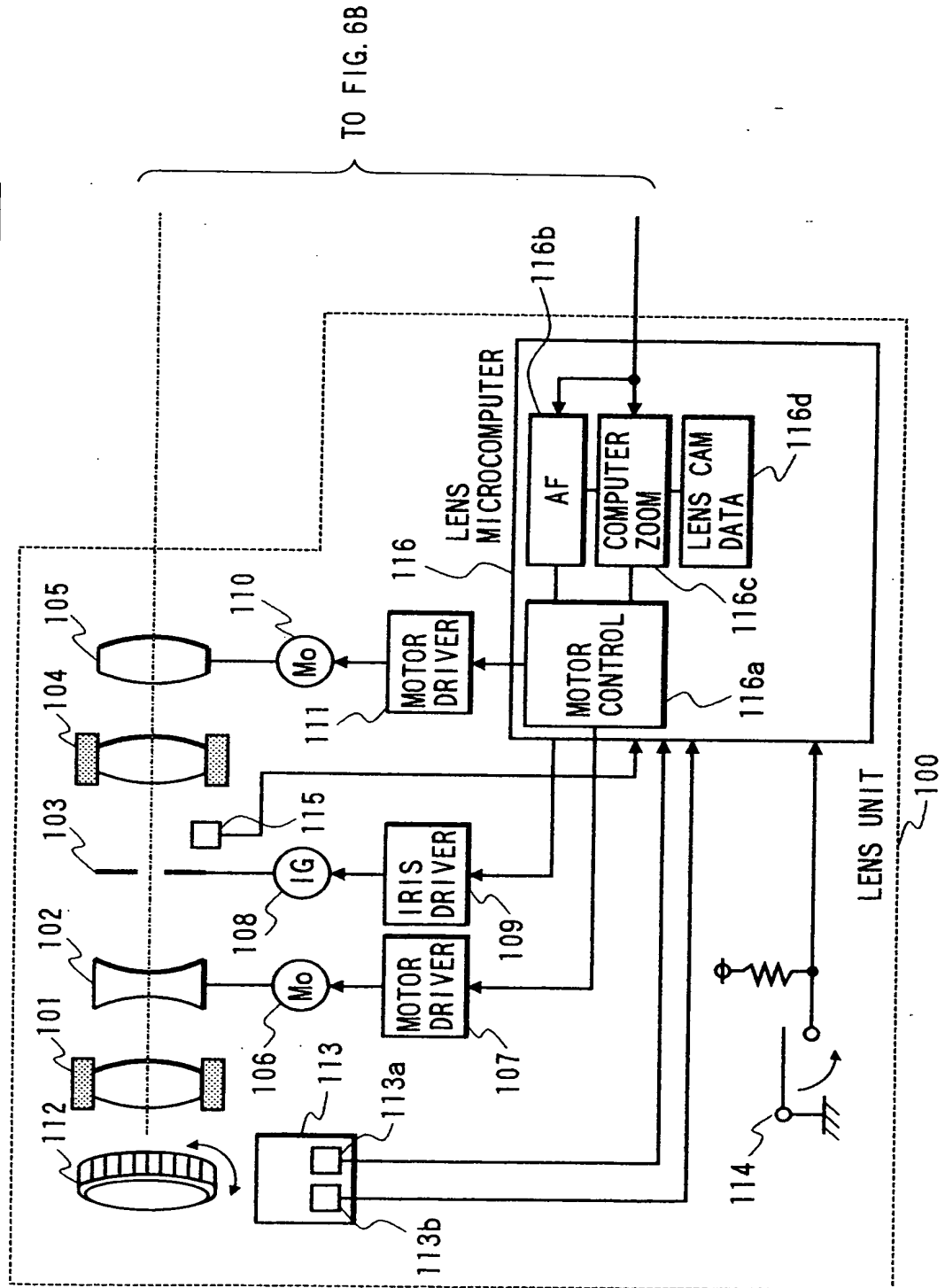
$$a_x = a_k - \frac{(z_k - z_{k-1})(a_k - a_{k-1})}{(z_k - z_{k-1})}$$

$$b_x = b_k - \frac{(z_k - z_x)(b_k - b_{k-1})}{(z_k - z_{k-1})}$$

**FIG. 6**

FIG. 6A

**FIG. 6A**



**FIG. 6B**

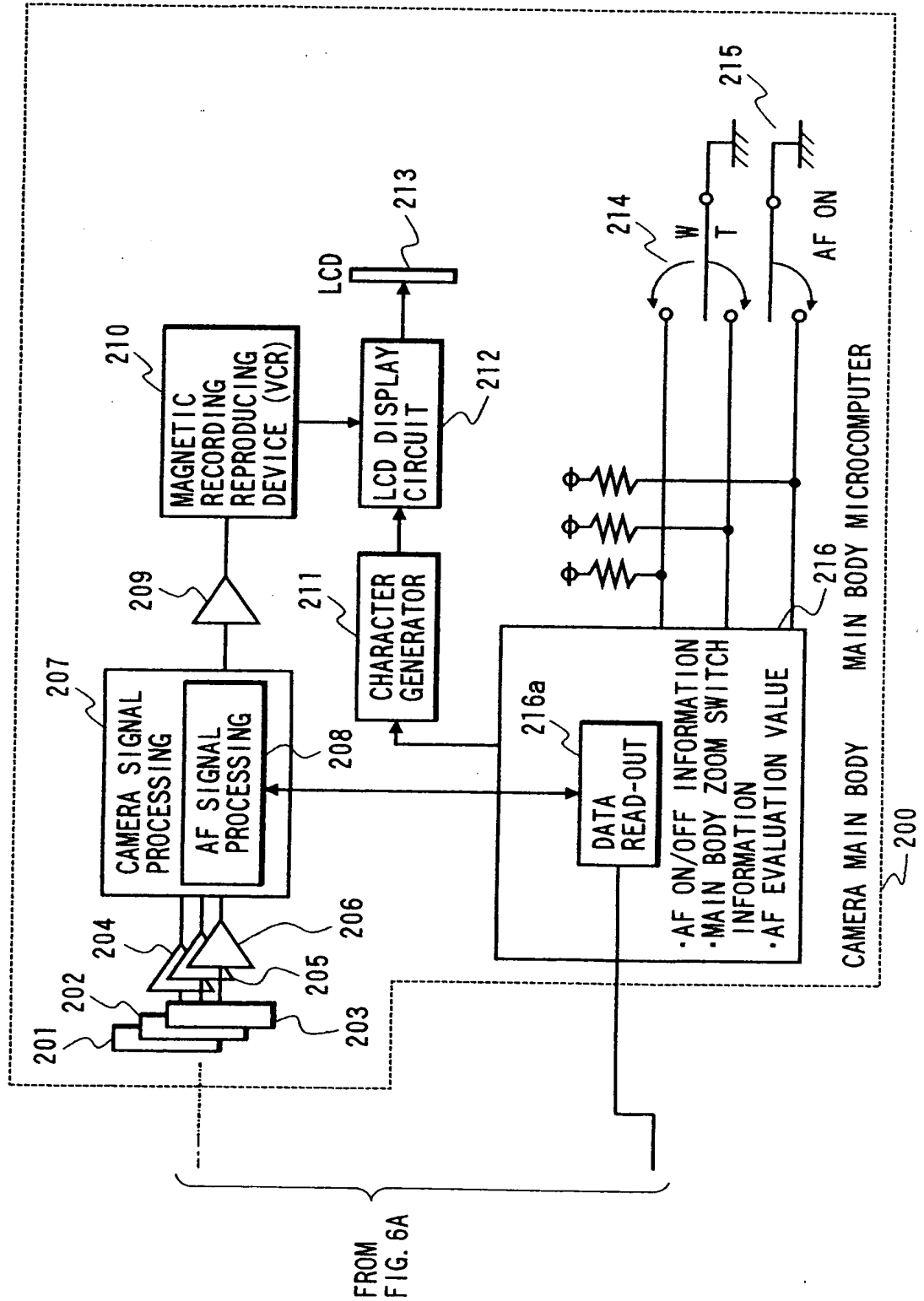


FIG. 7A

FIG. 7

FIG. 7A

FIG. 7B

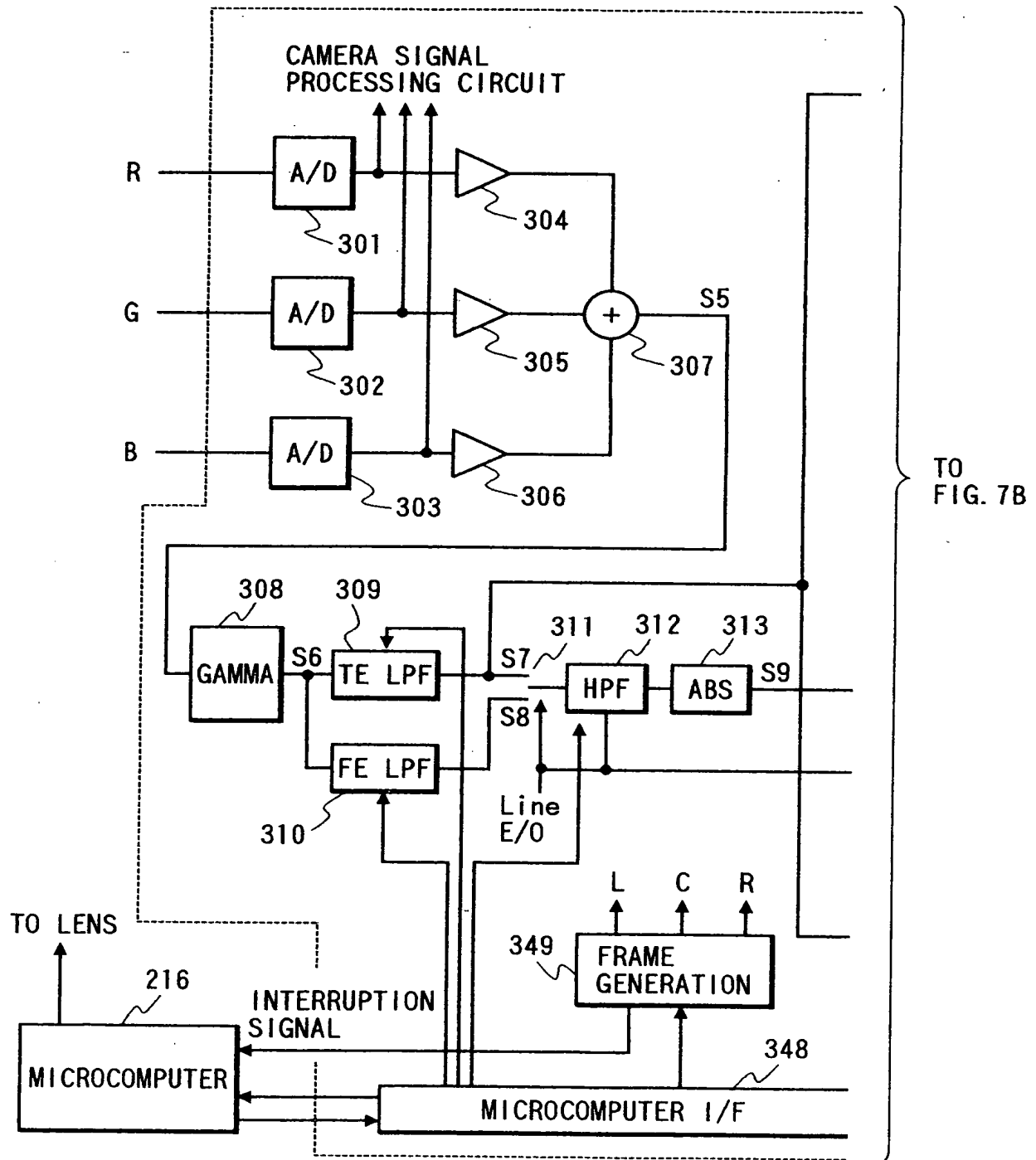


FIG. 7B

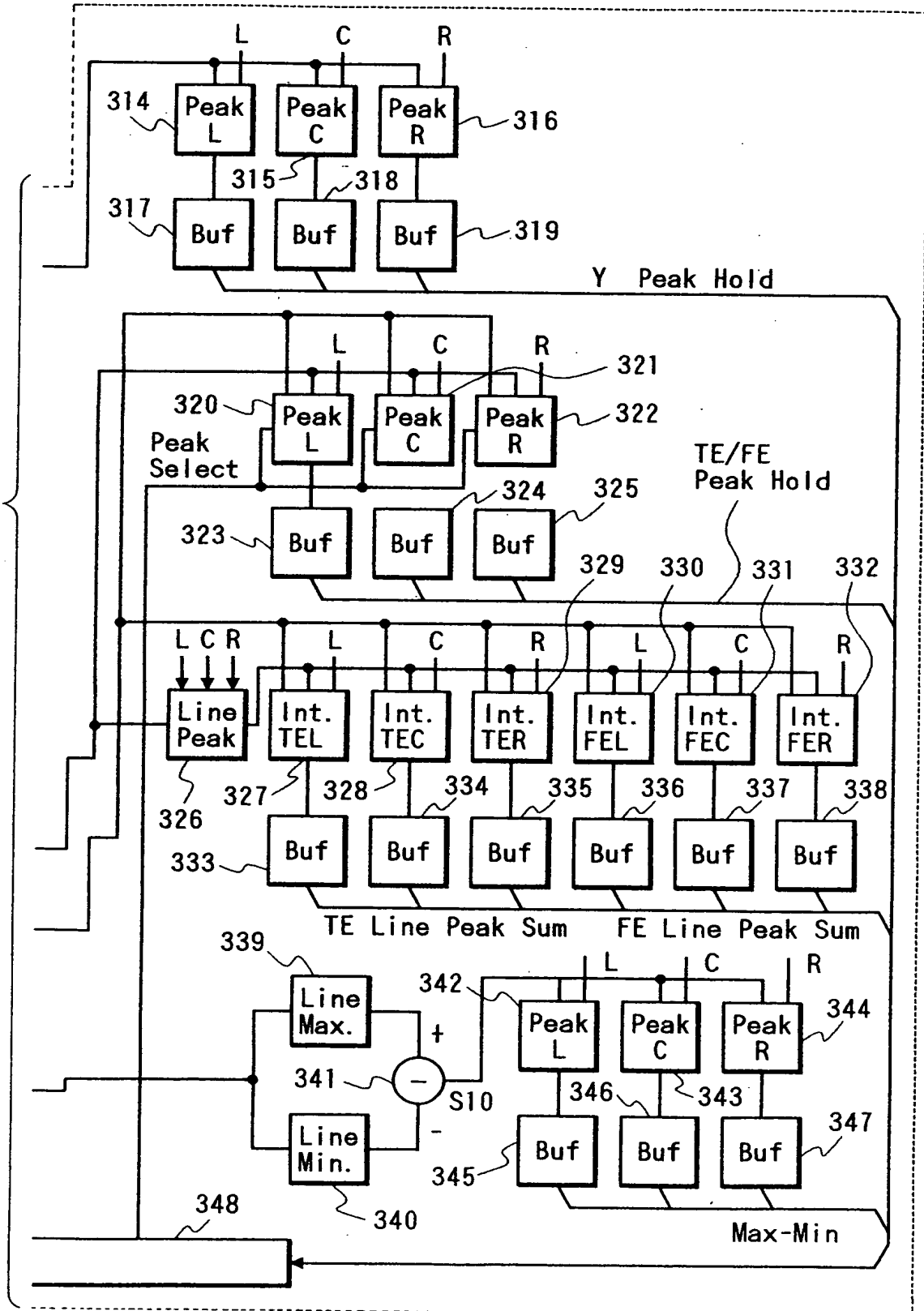
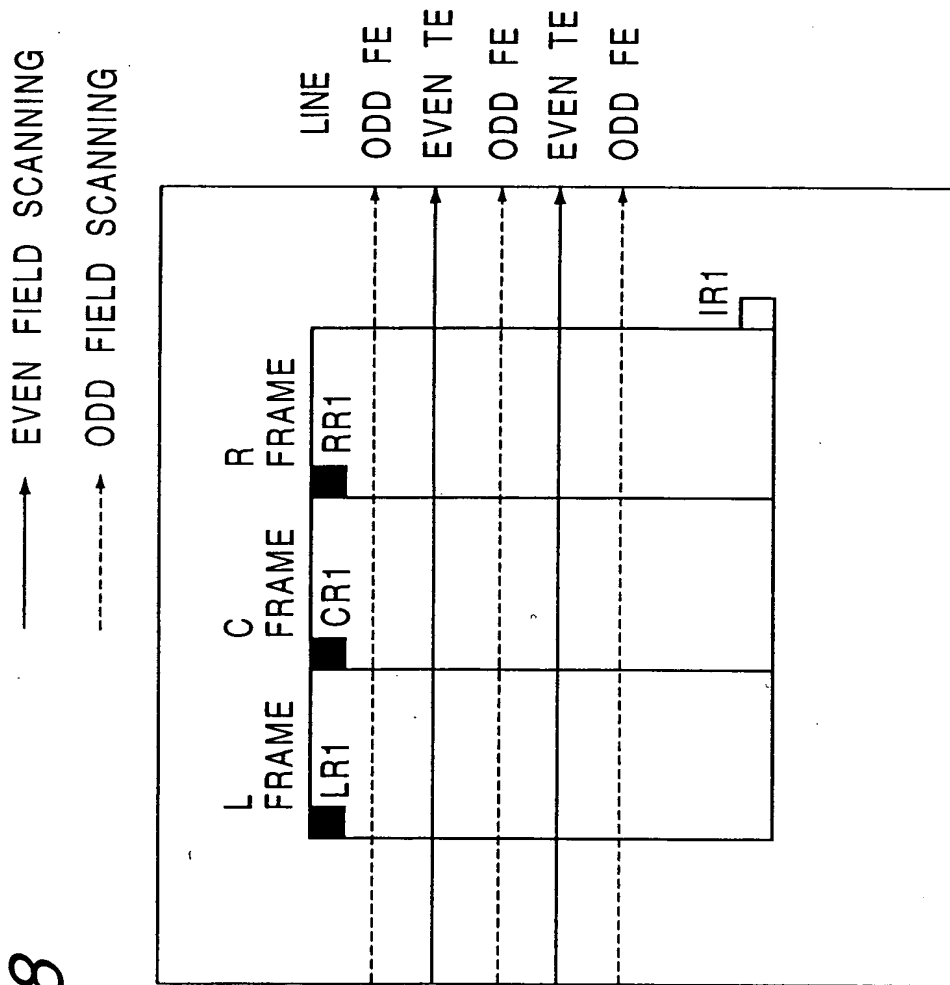
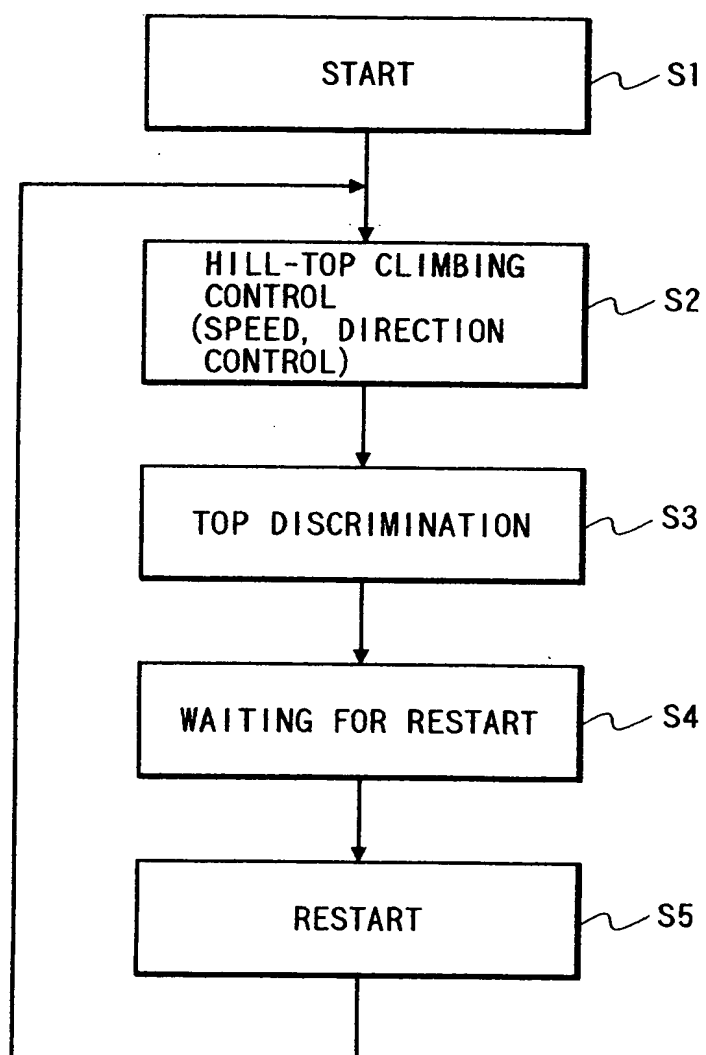
FROM  
FIG. 18A

FIG. 8



- RESET OF INTEGRATION CIRCUIT, PEAK-HOLD CIRCUIT
- TRANSFER OF DATA TO BUFFER, GENERATION OF IRQ



*FIG. 9*

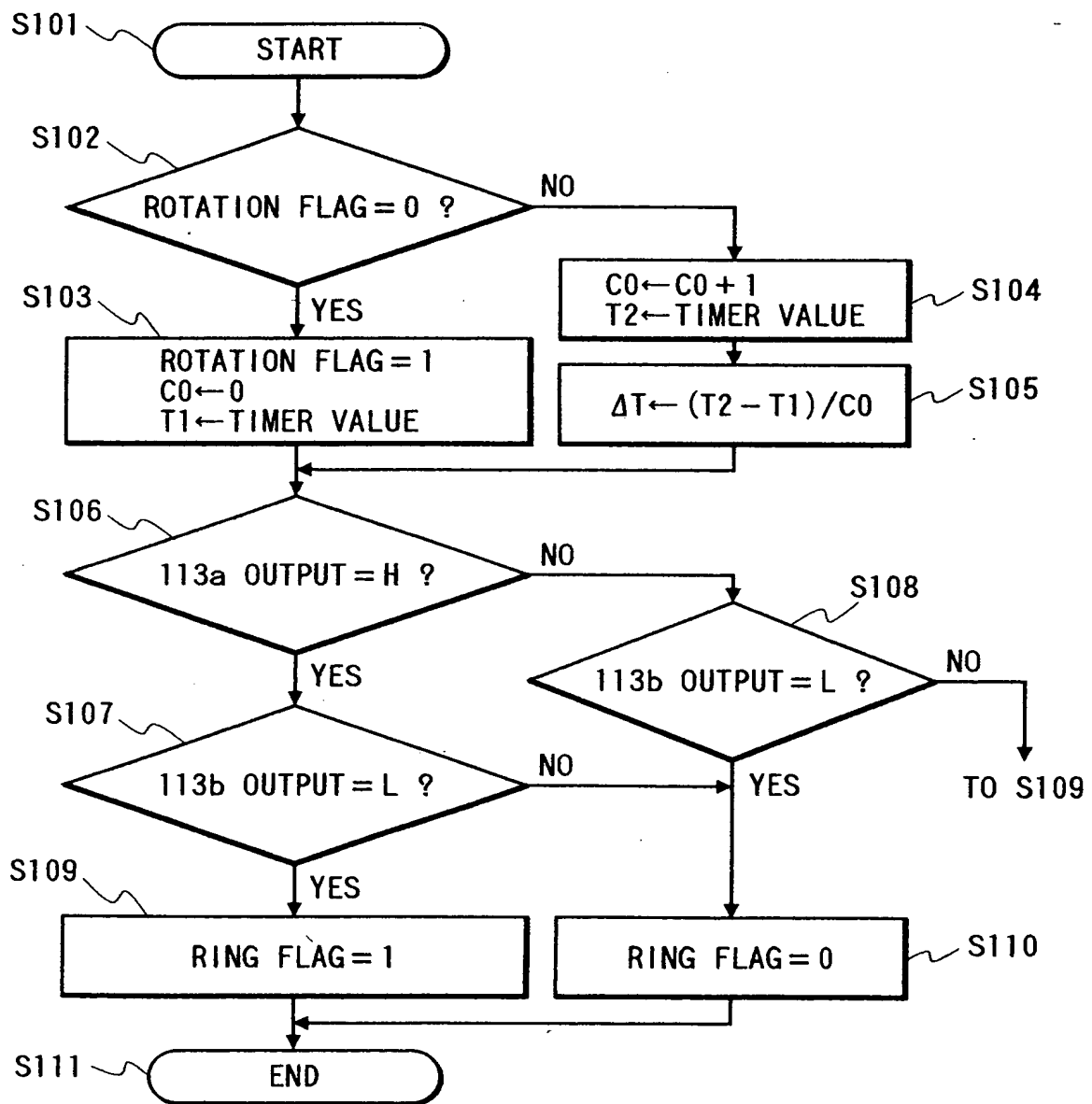
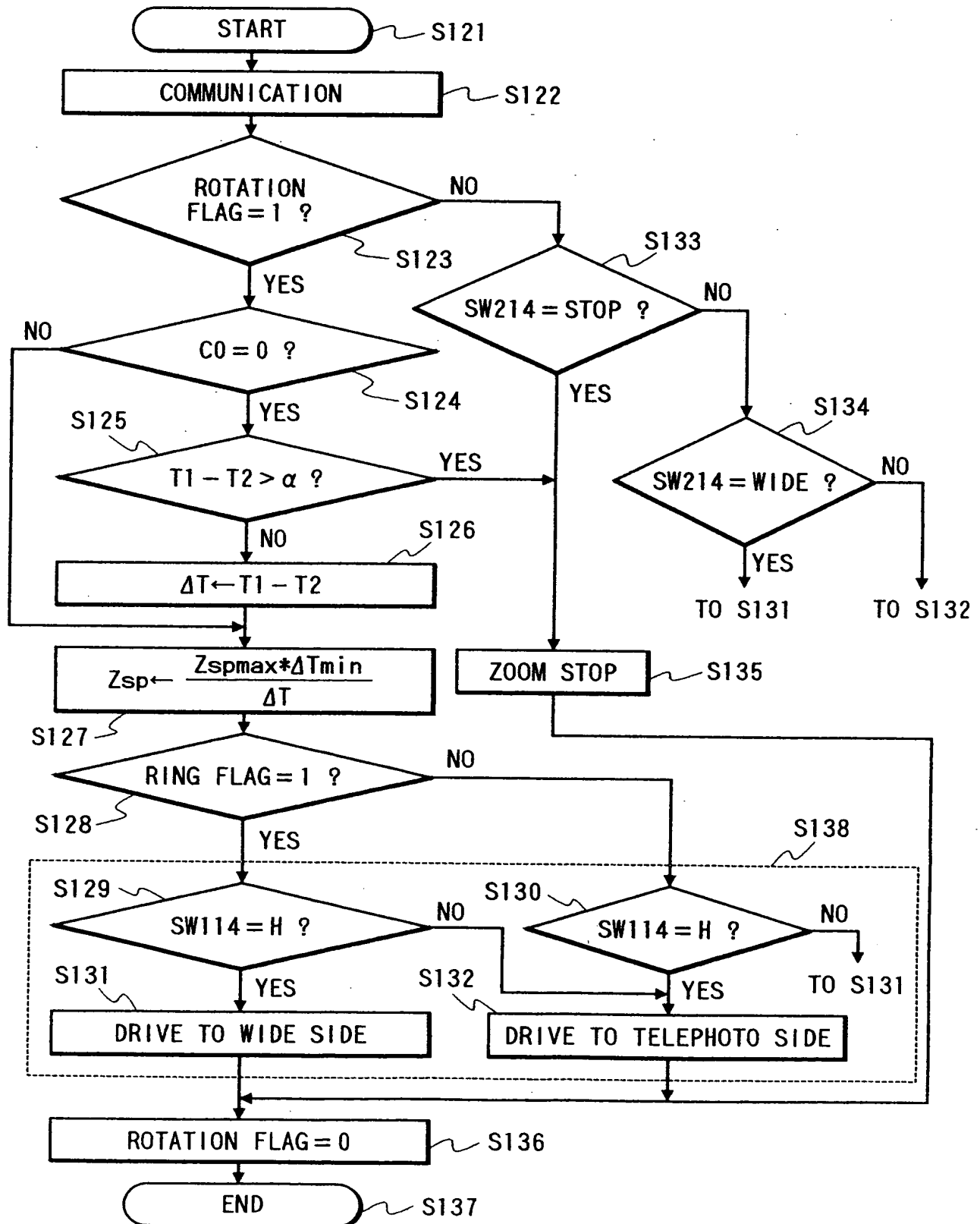
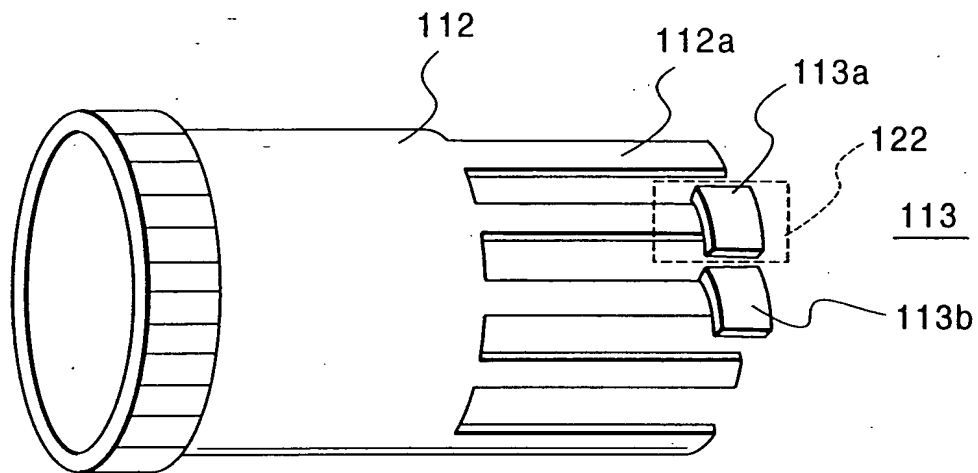
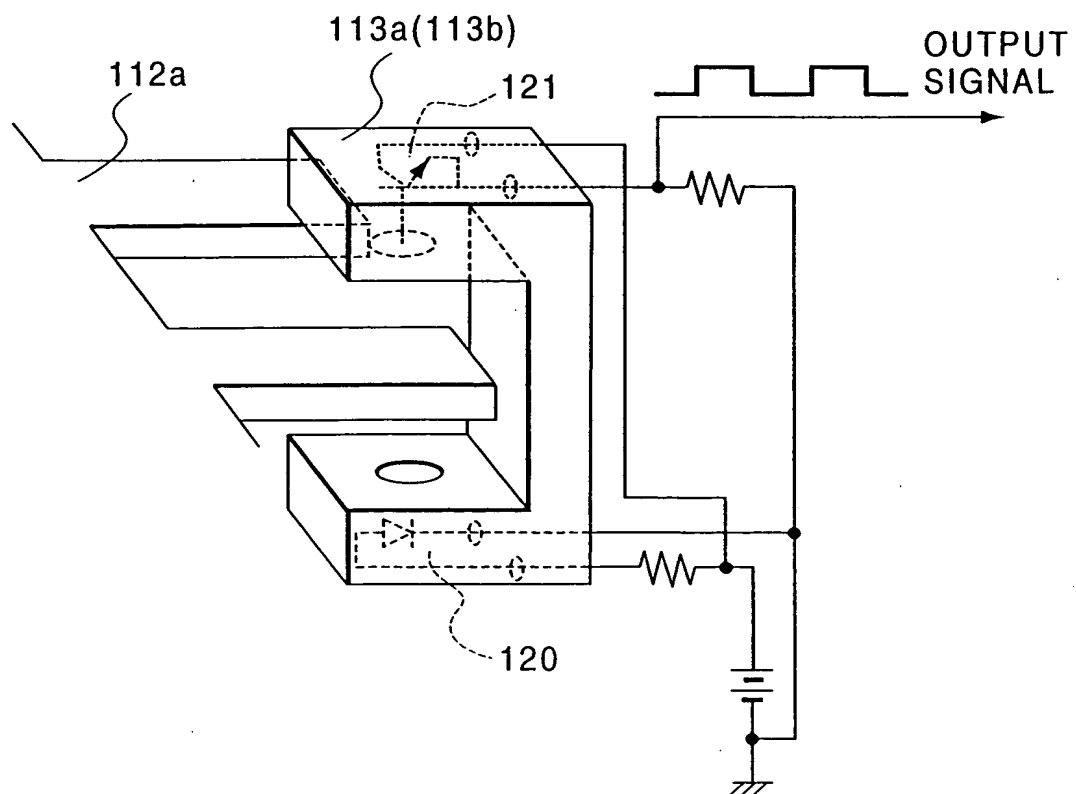
**FIG. 10**

FIG. 11



**FIG. 12****FIG. 13**

TIME REQUIRED TO MOVE 112a  
BY ONE GEAR TOOTH (HALF PERIOD)

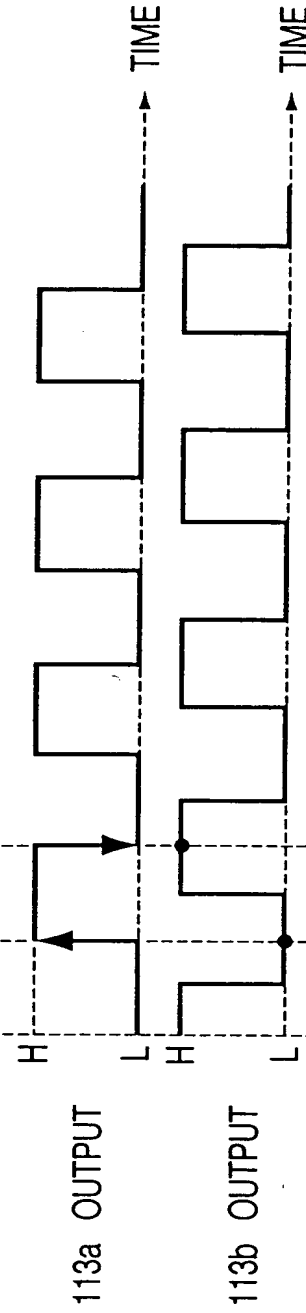


FIG. 14A

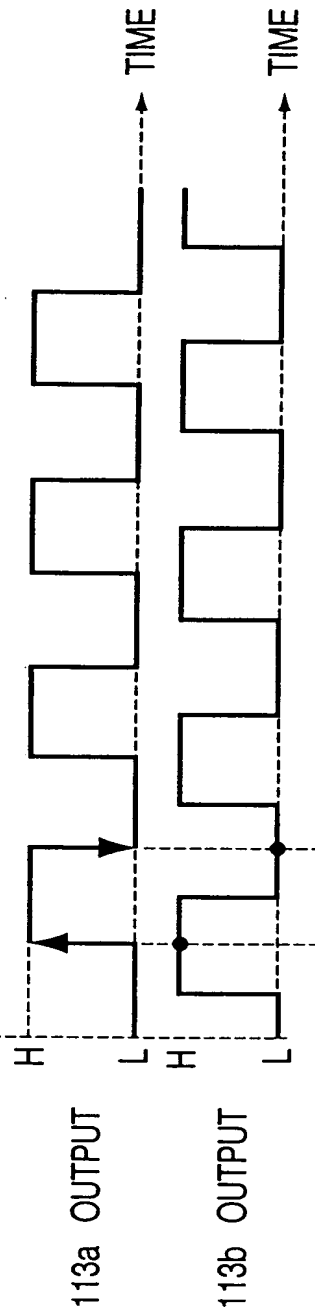


FIG. 14B

**FIG. 15A**

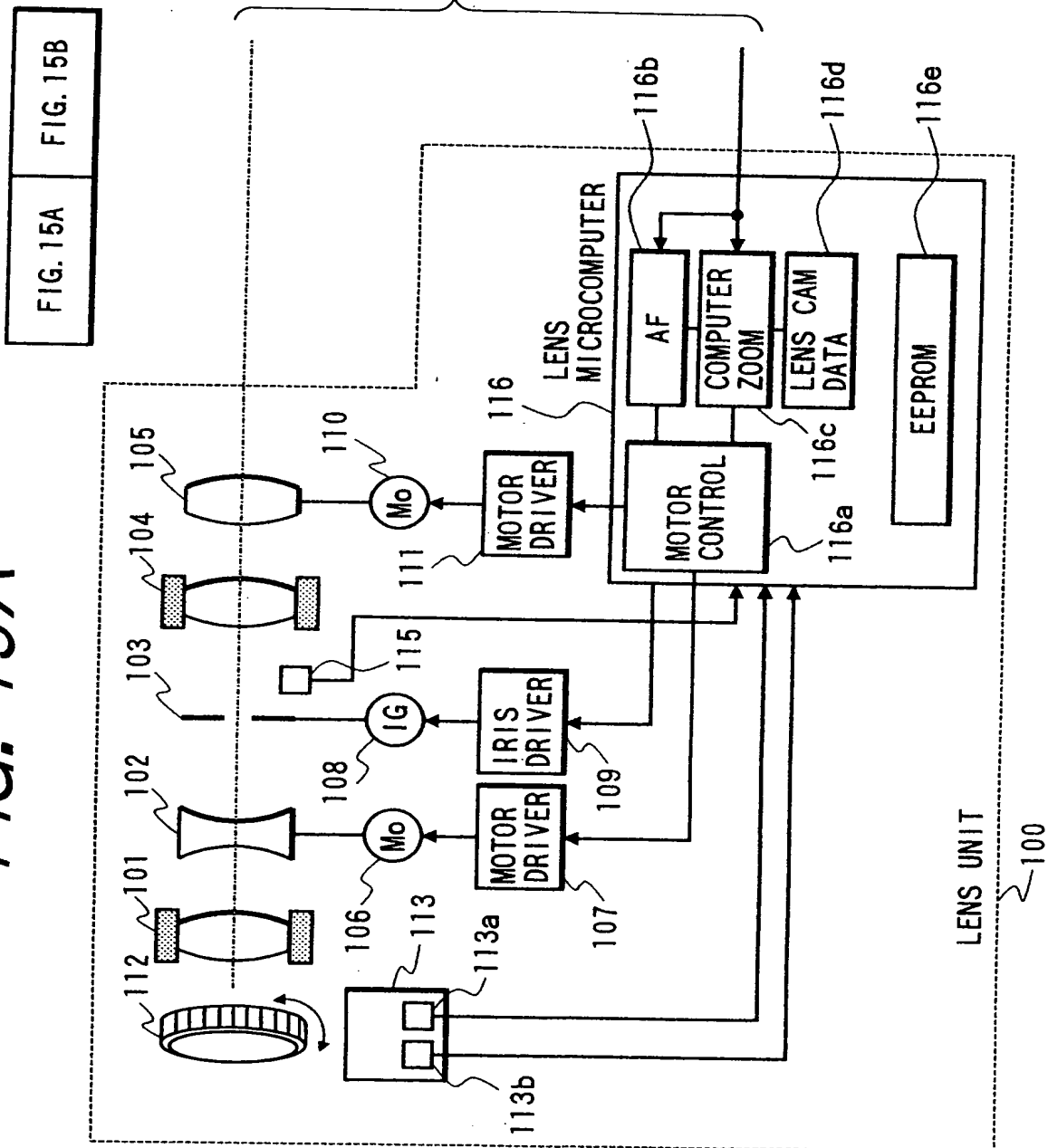


FIG. 15B

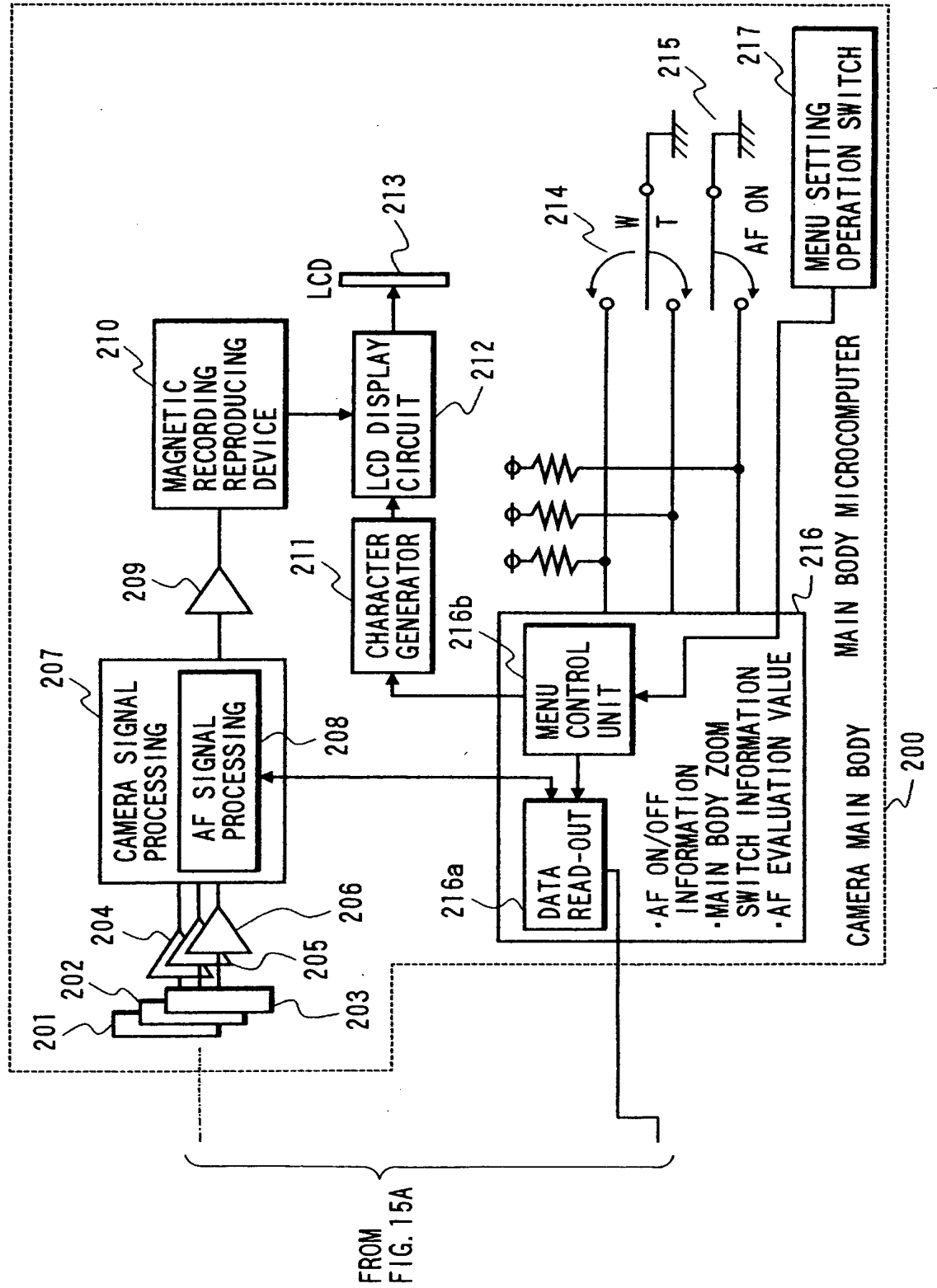
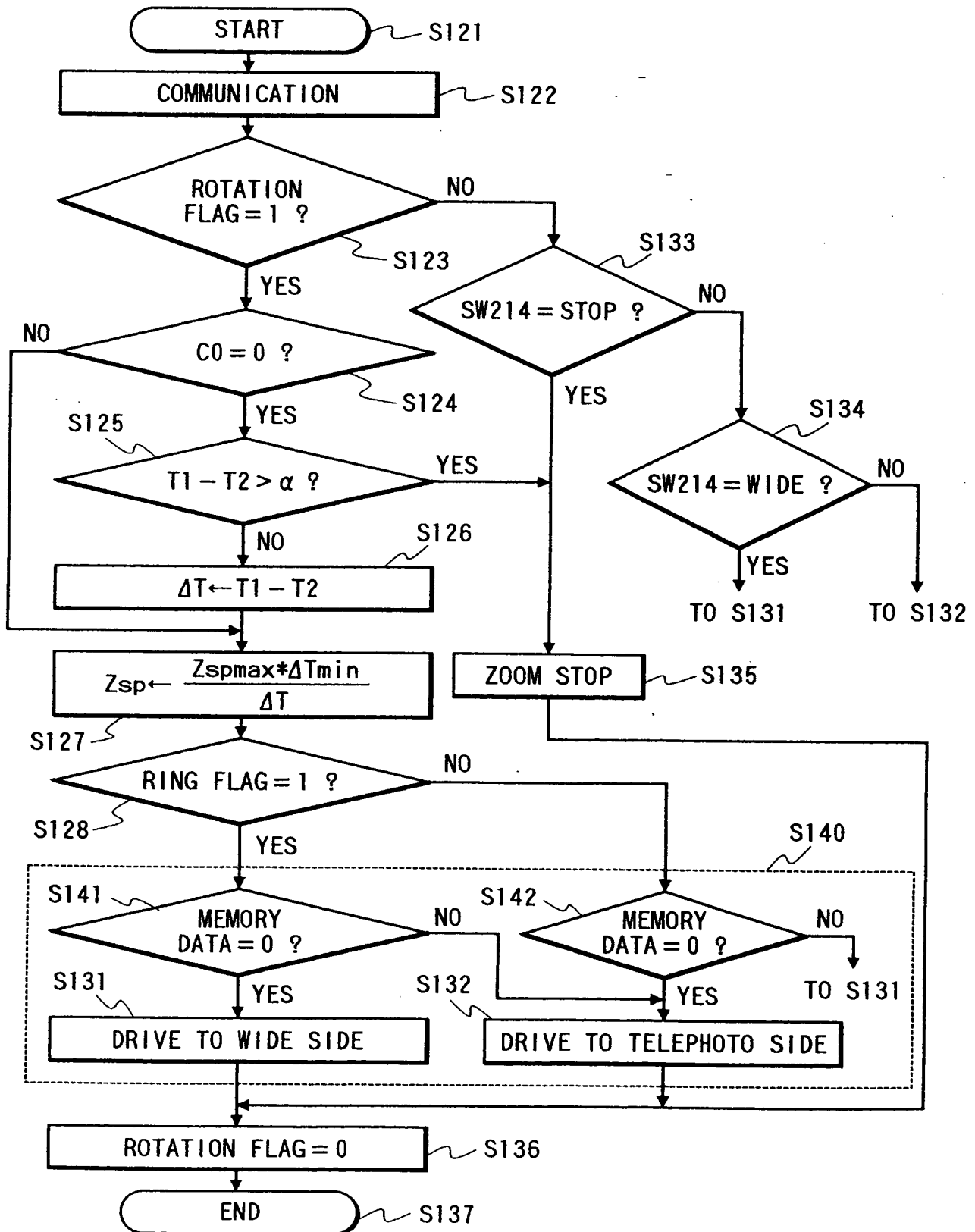


FIG. 16





**FIG. 17**

**FIG. 17A**

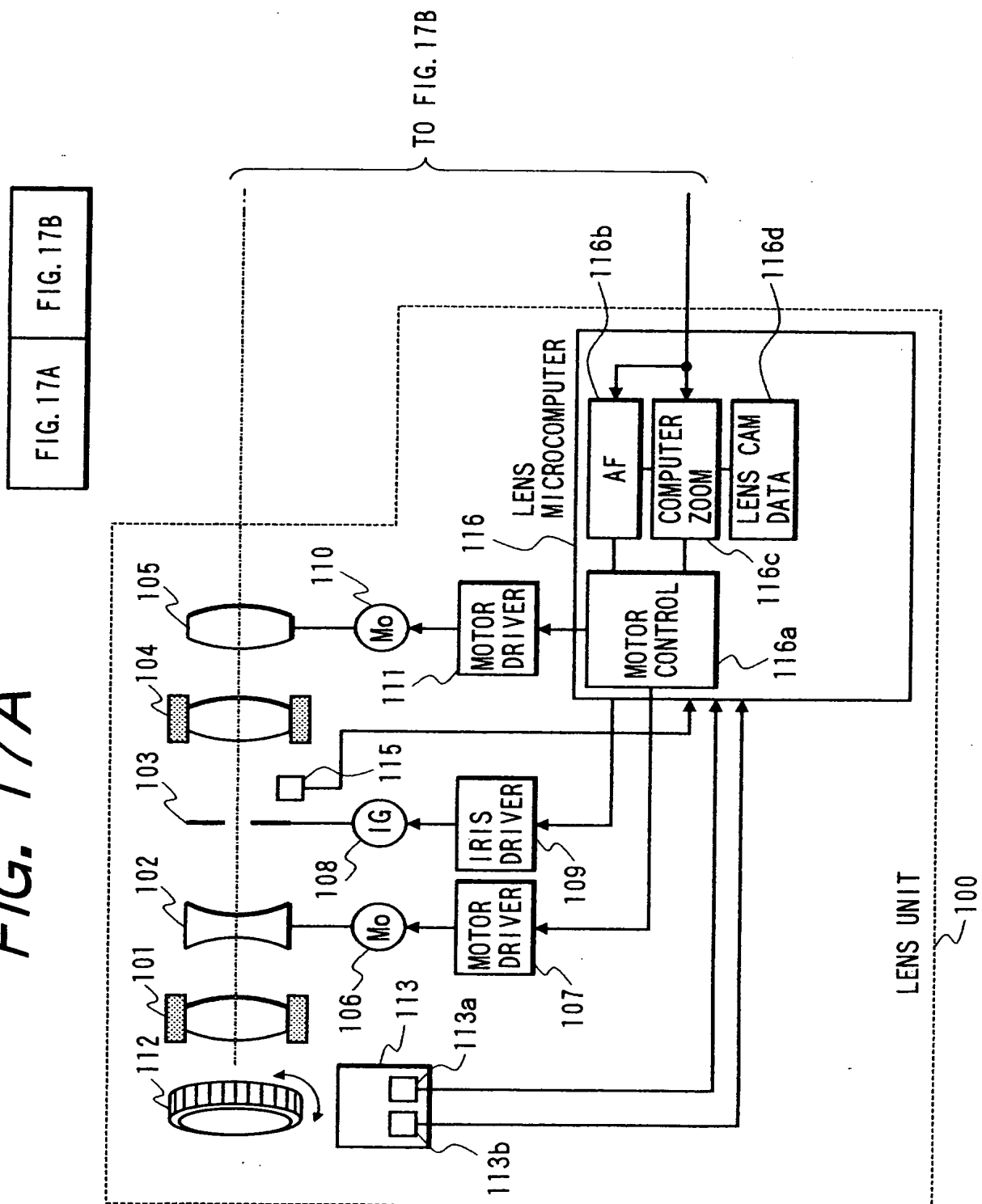
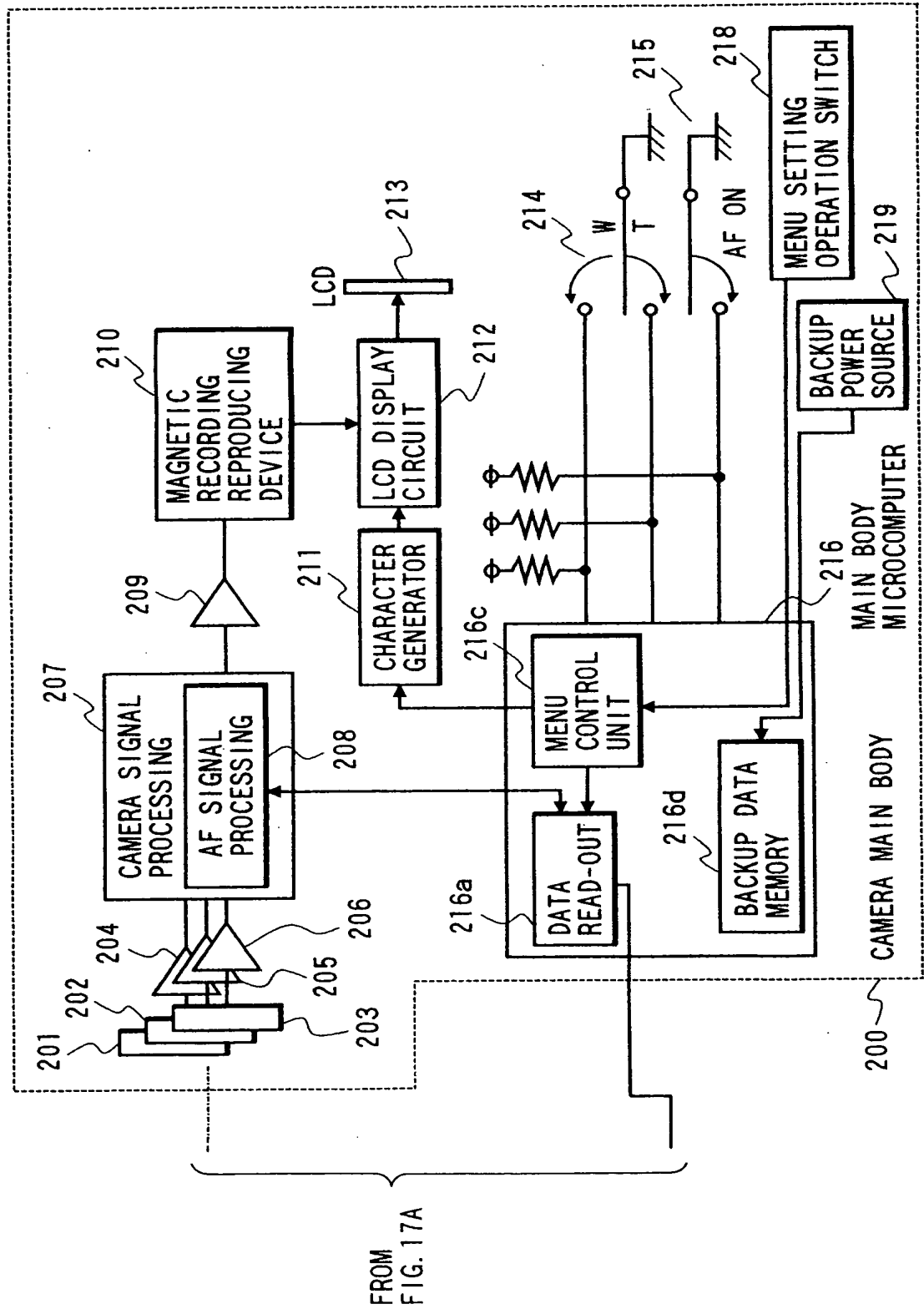


FIG. 17B



**FIG. 18**

**FIG. 18A**

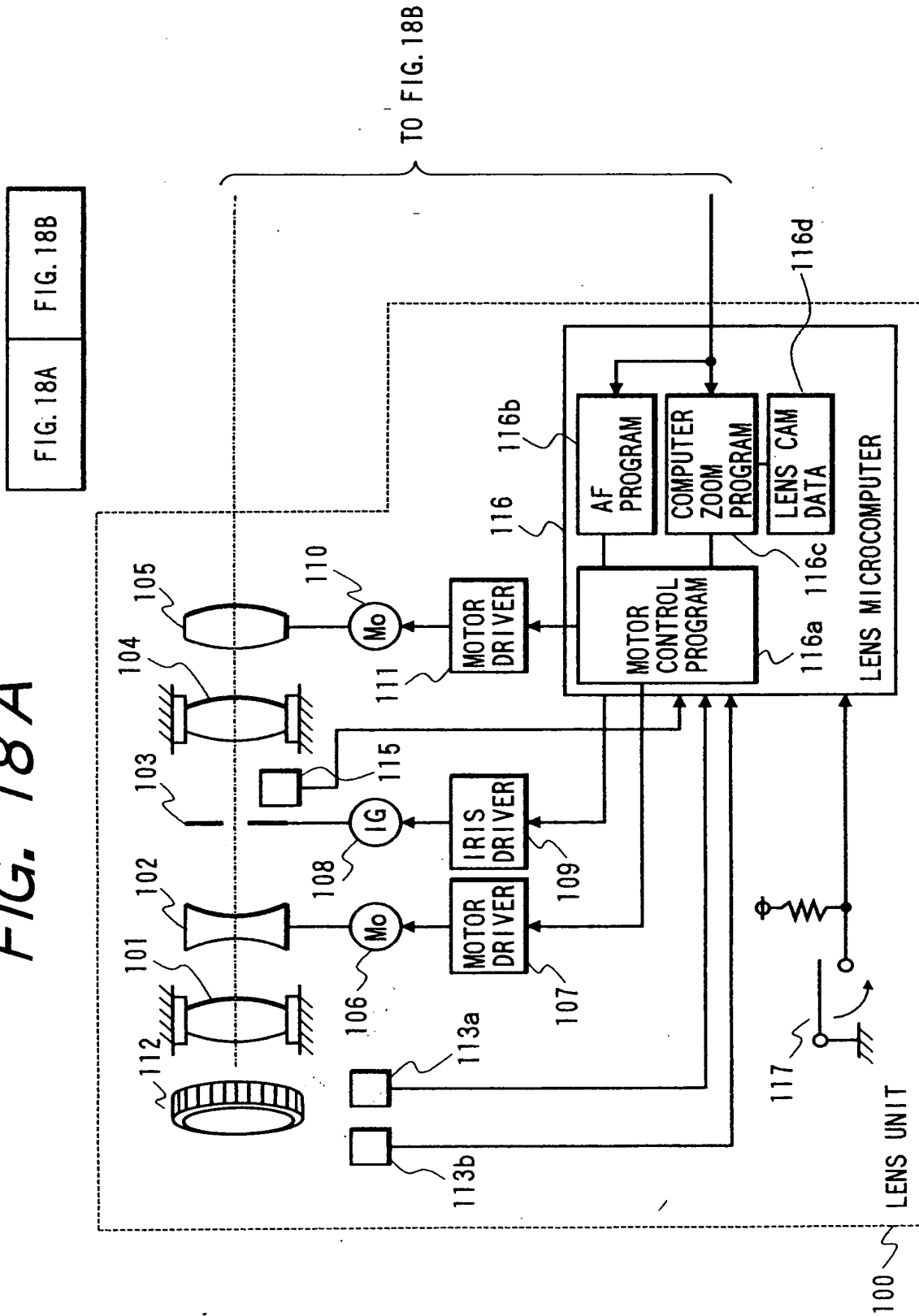


FIG. 18B

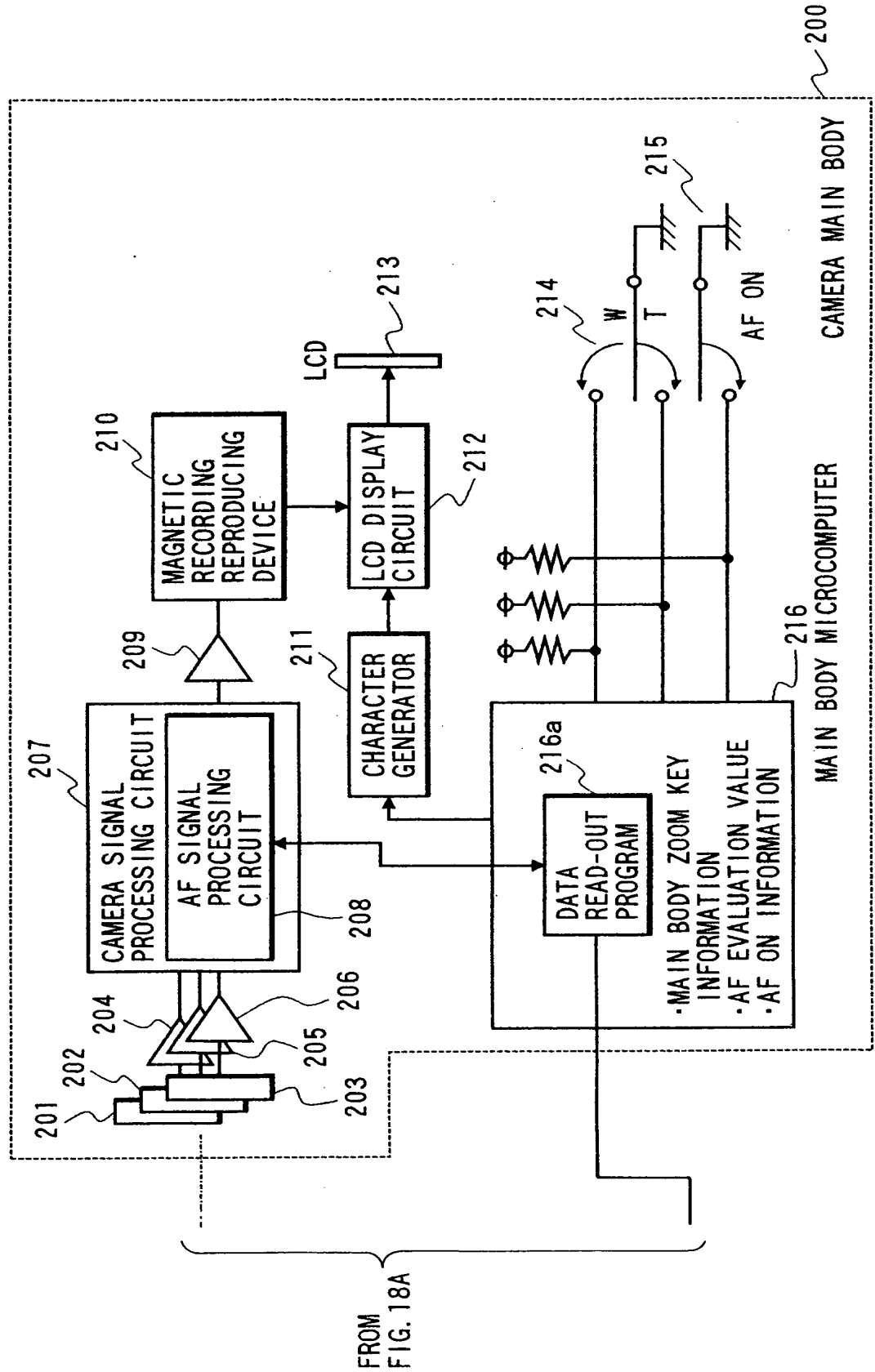


FIG. 19

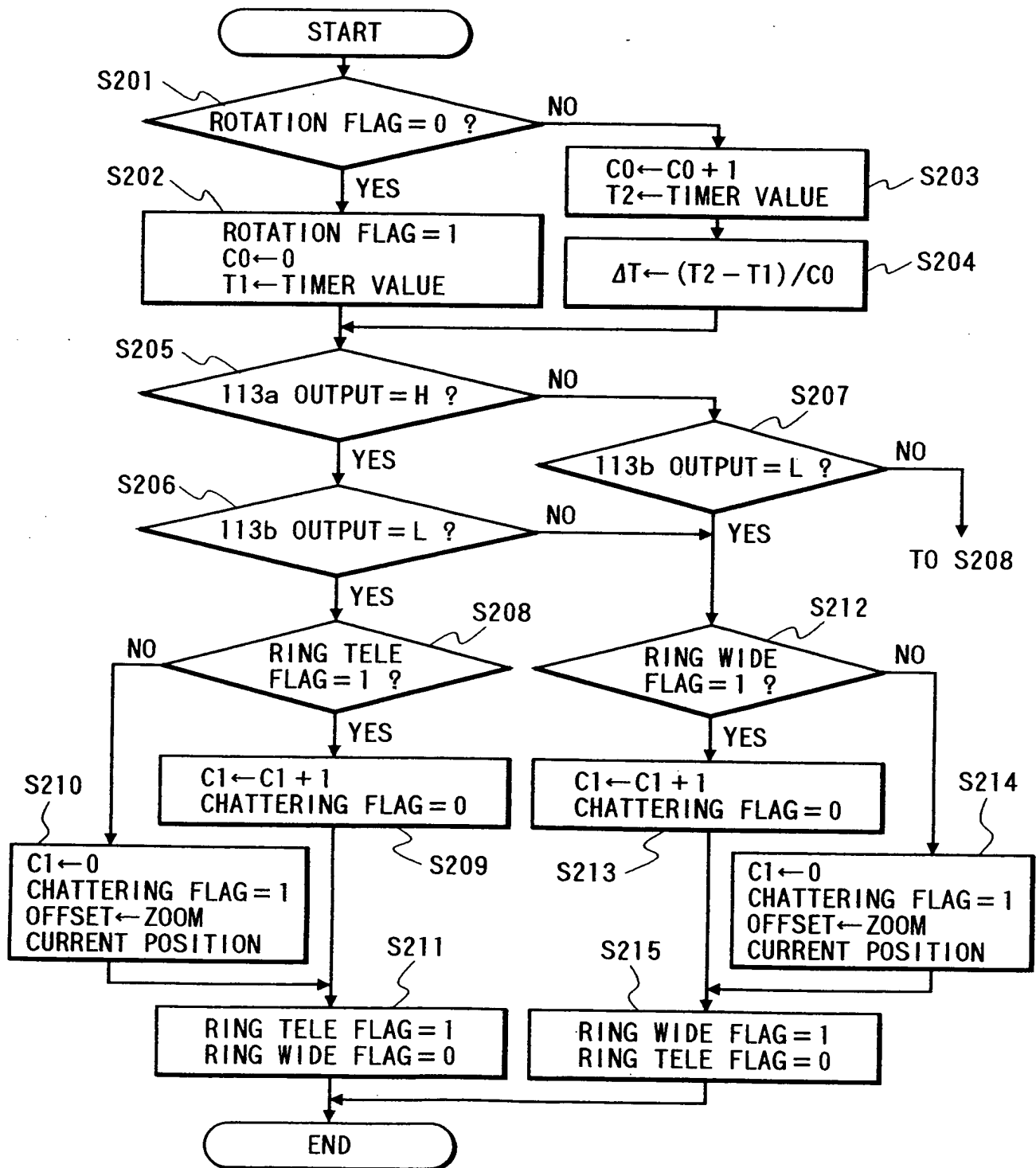


FIG. 20

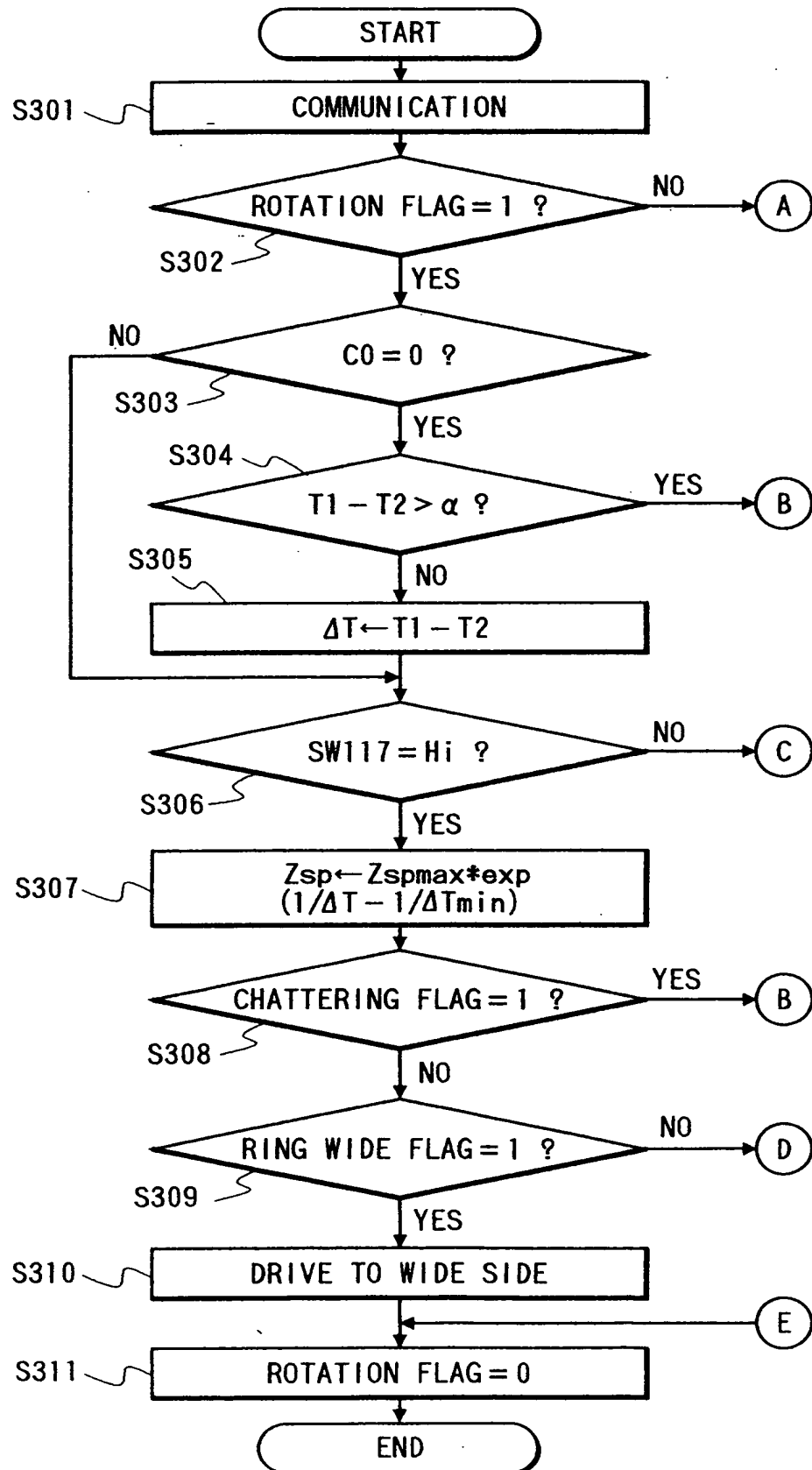


FIG. 21

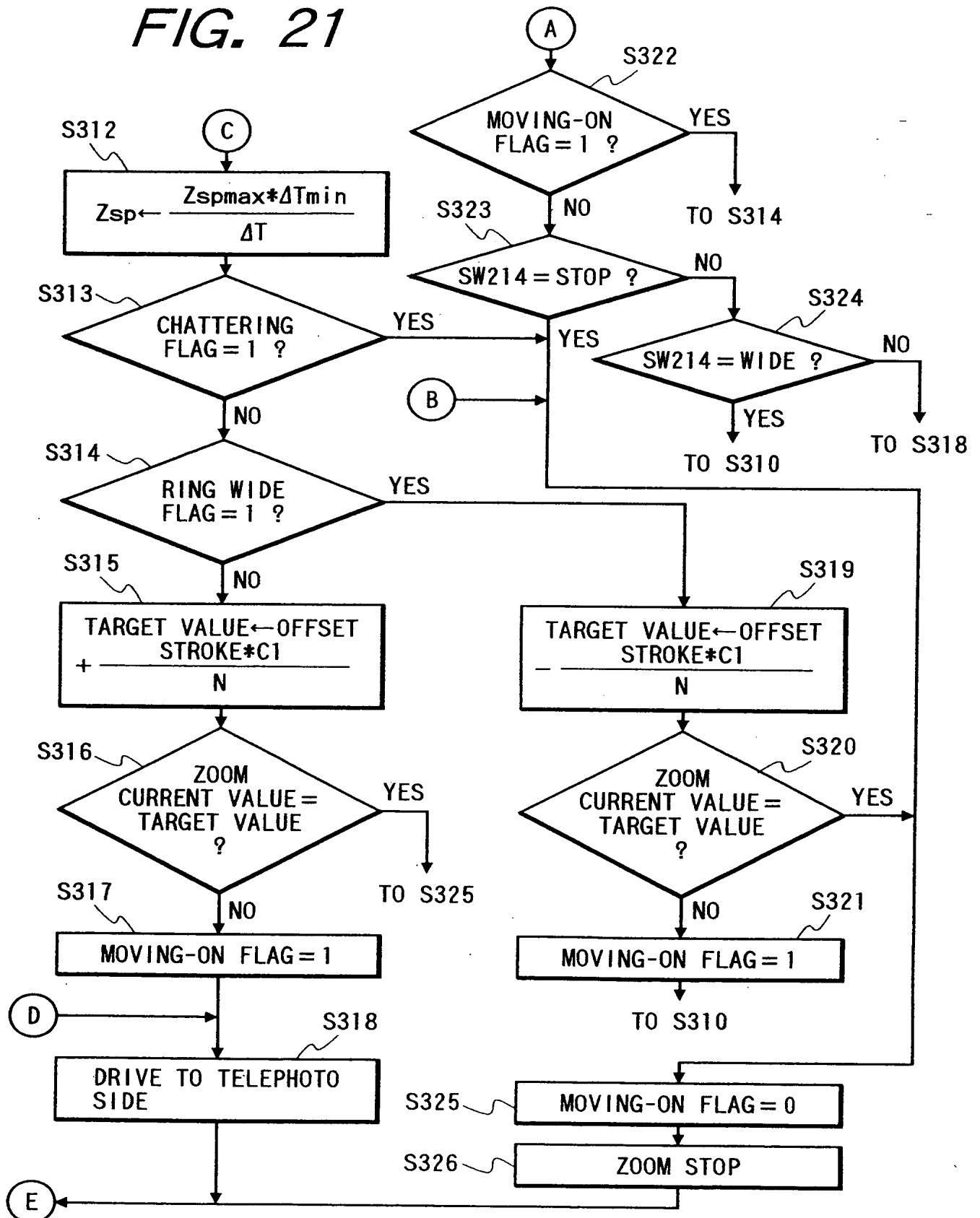


FIG. 22

FIG. 22A | FIG. 22B

**FIG. 22 A**

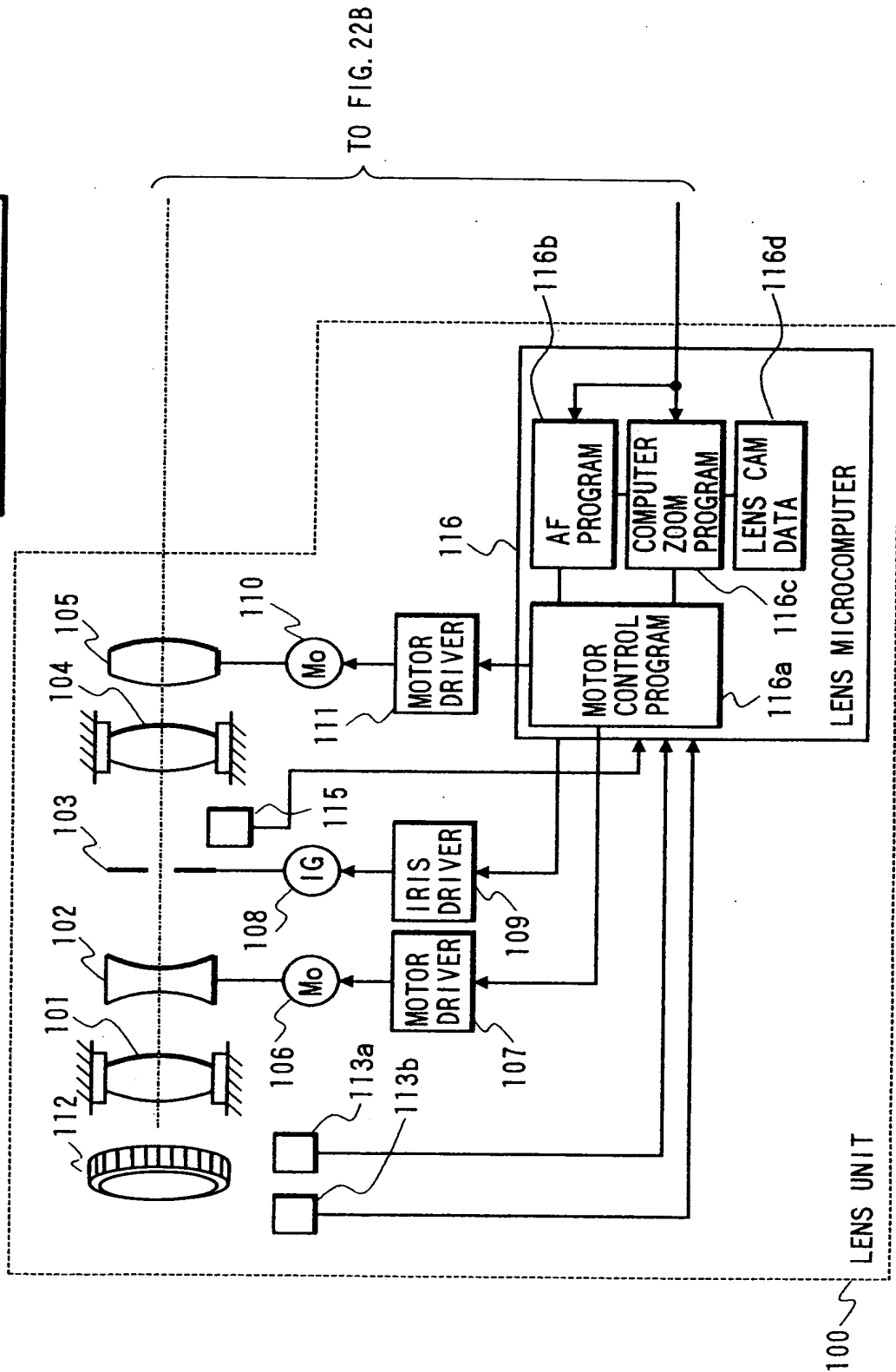
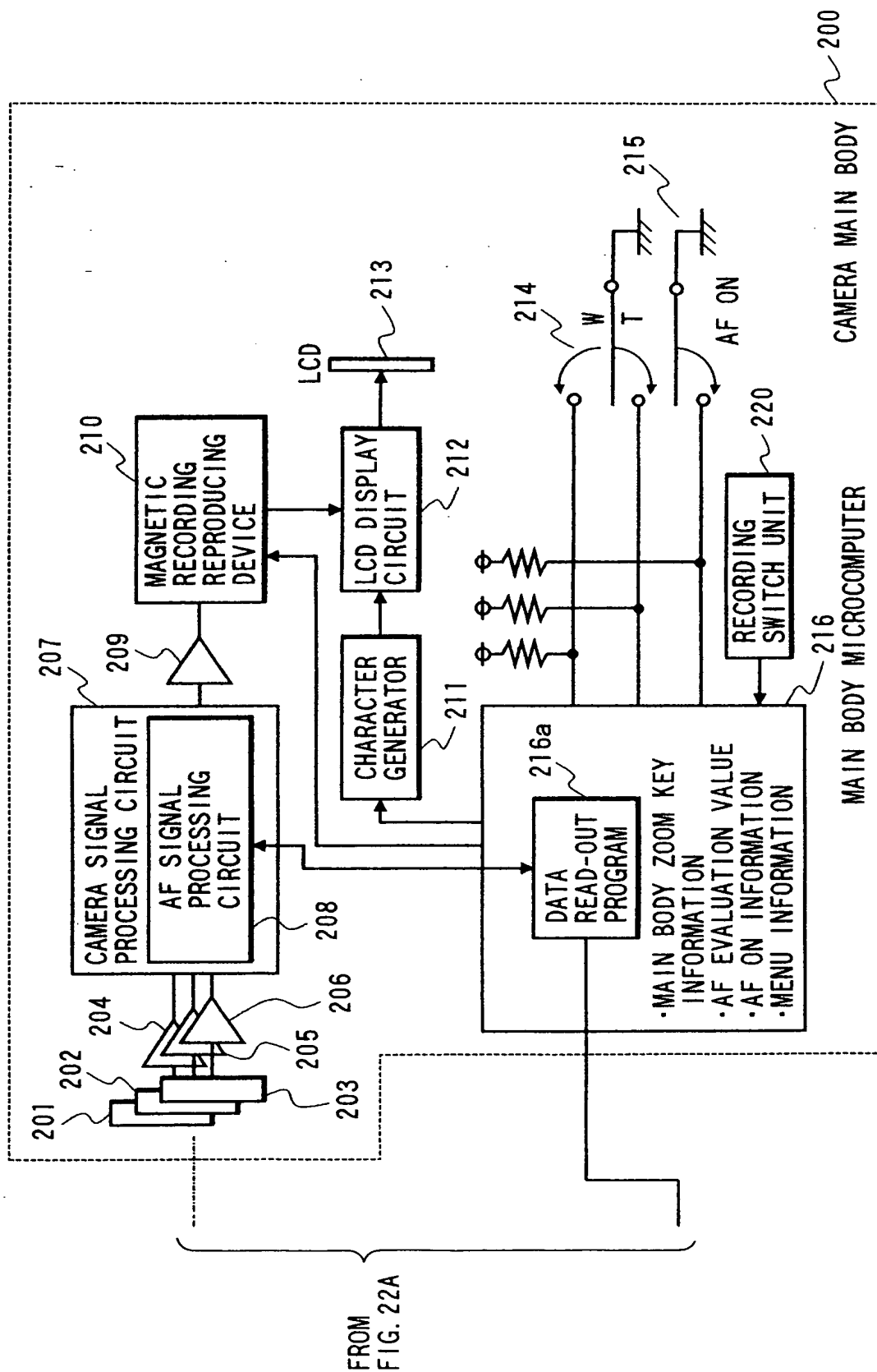




FIG. 22B



*FIG. 23*

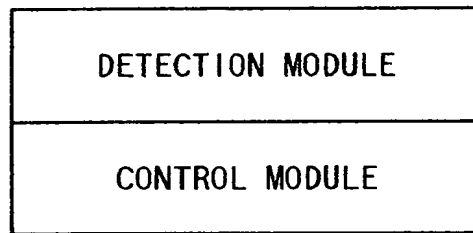


FIG. 24A

FIG. 24

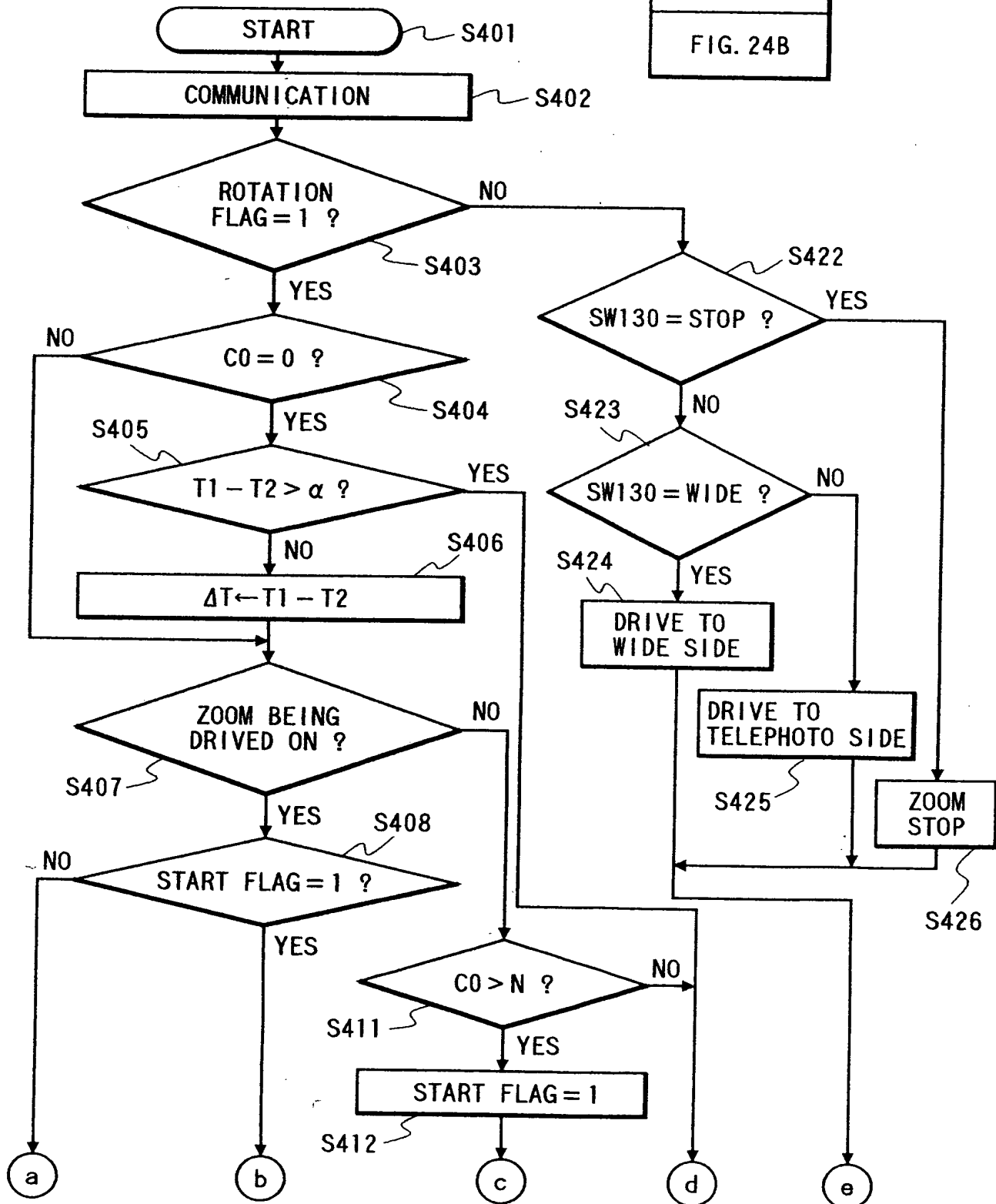
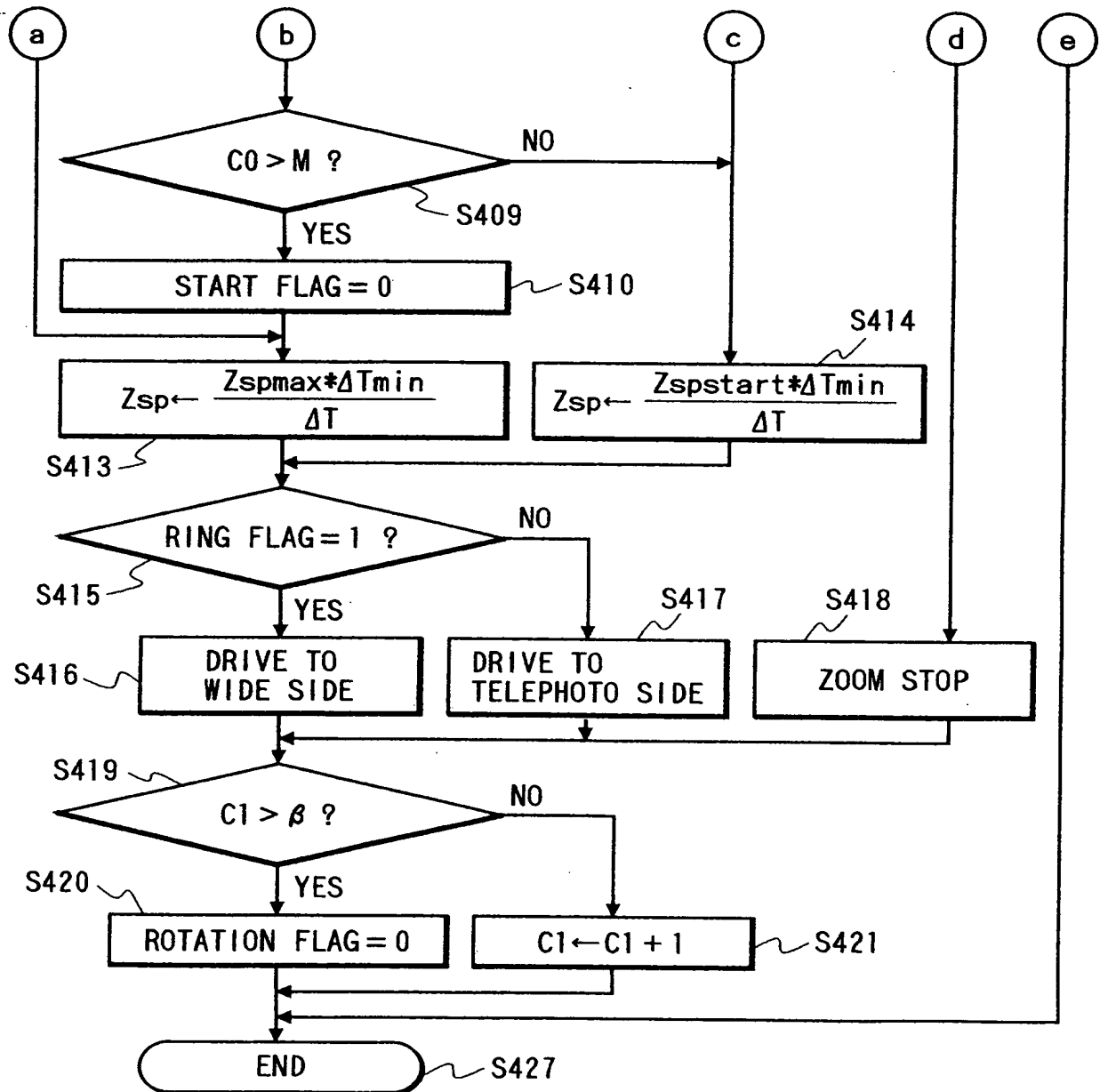


FIG. 24 B



**FIG. 25**

FIG. 25A | FIG. 25B

**FIG. 25A**

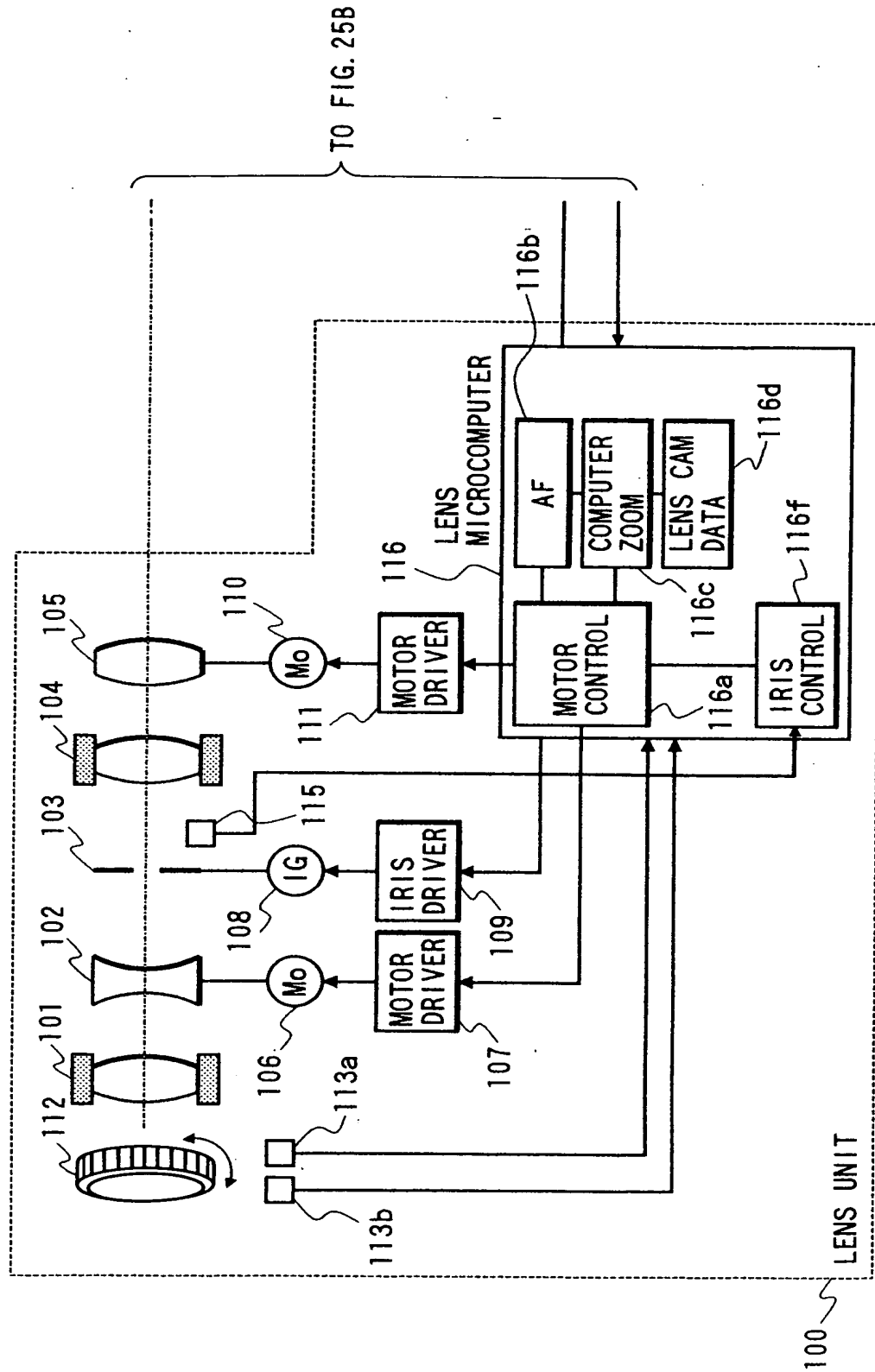


FIG. 25B

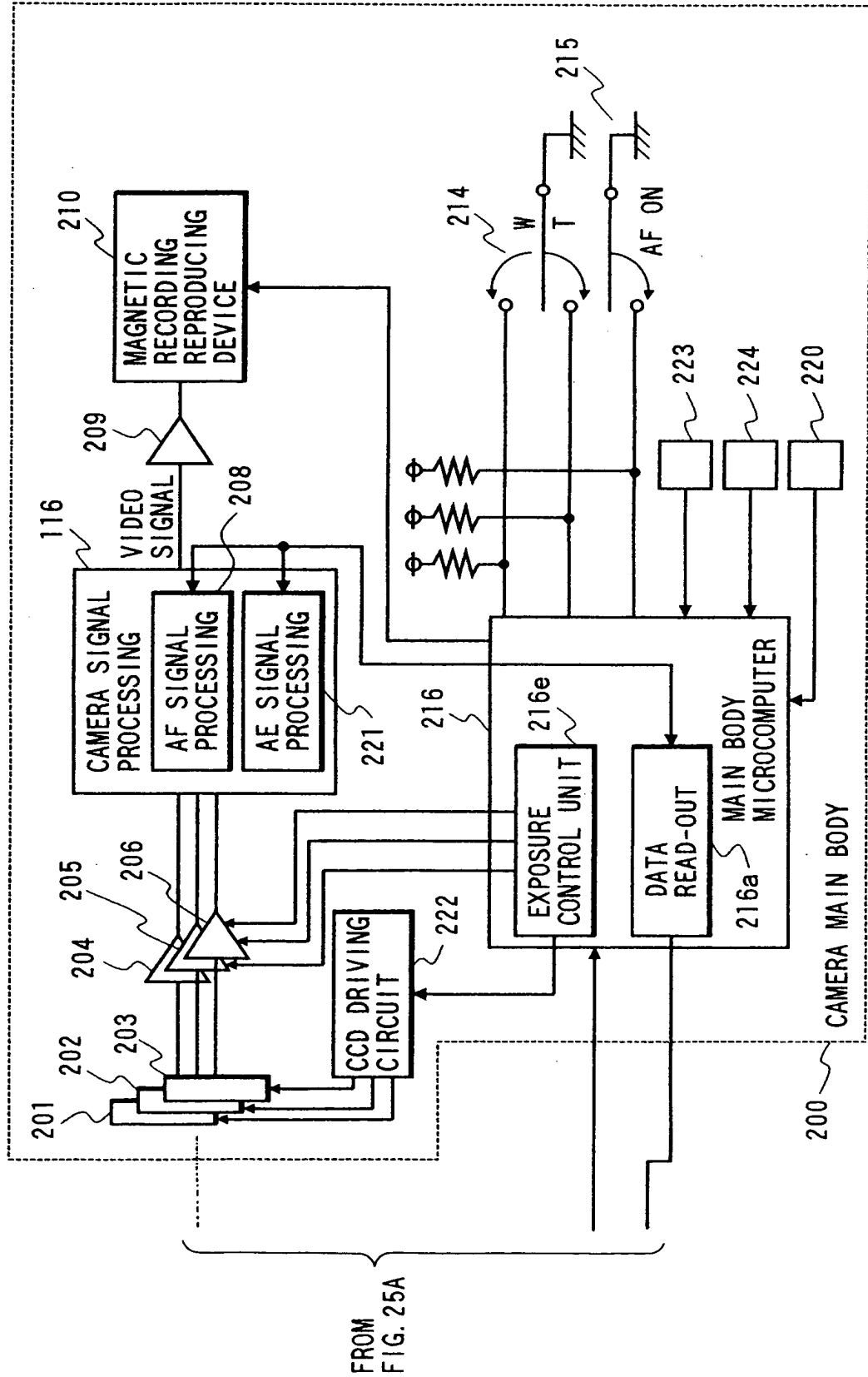
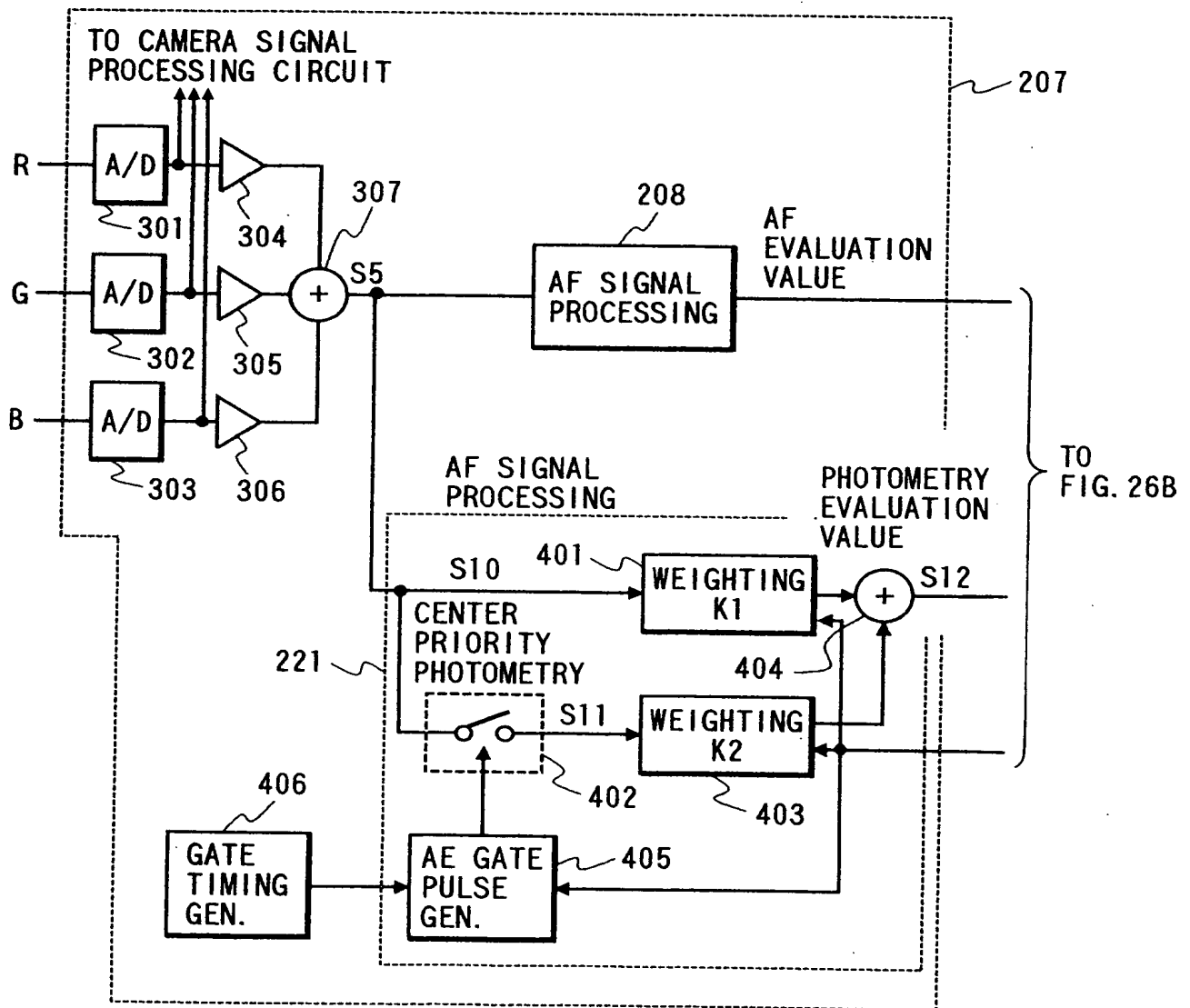
FROM  
FIG. 25A

FIG. 26A

FIG. 26

FIG. 26A

FIG. 26B



**FIG. 26B**

